

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re DIVISIONAL application of )  
Shunpei YAMAZAKI et al. )  
Based on Serial No. 09/352,194 ) Group Art Unit: 2823  
Filed: July 13, 1999 ) Examiner: F. Toledo  
For: CRYSTALLINE SEMICONDUCTOR THIN )  
FILM, METHOD OF FABRICATING THE )  
SAME, SEMICONDUCTOR DEVICE, )  
AND METHOD OF FABRICATING THE )  
SAME )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application. Copies of the references listed are submitted herewith in accordance with 37 C.F.R. 1.98(a).

The references listed on the attached Form PTO-1449 were cited in parent application Serial No. 09/352,194 and copies of the references can be found in that application.

Respectfully submitted,

  
Eric J. Robinson  
Reg. No. 38,285  
Robinson Intellectual Property Law Office  
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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	Based on 09/352,194
				Filing Date	July 13, 1999
				First Named Inventor	Shunpei YAMAZAKI, et al.
				Group Art Unit	2823
				Examiner Name	Fernando L. TOLEDO
Sheet	1	of	4	Attorney Docket Number	0756-7208

<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,594,569		Konuma et al.	01/14/97	
		5,643,826		Ohtani et al.	07/01/97	
		5,923,962		Ohtani et al.	07/13/99	
		5,854,096		Ohtani et al.	12/29/98	
		5,365,875		Asai et al.	11/22/94	
		5,846,869		Hashimoto et al.	12/08/98	
		6,077,731		Yamazaki et al.	06/20/00	
		5,888,857		Zhang et al.	03/30/99	
		5,616,506		Takemura	04/01/97	
		6,121,076		Zhang et al.	09/19/00	
		6,093,937		Yamazaki et al.	07/25/00	
		5,960,323		Wakita et al.	09/28/99	
		6,335,541		Ohtani et al.	01/01/02	

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>			
		JP 7-130652			05/19/95	Abst.

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
		Ryuichi Shimokawa, et al., "Characterization of High-Efficiency Cast-Si Solar Cell Wafers by MBIC Measurement," Japanese Journal of Applied Physics, Vol. 27, No. 5, pp. 751-758, 1988.				
		H. Furue, et al., "Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCD Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability," SID 1998.				
		T. Yoshida, et al., "A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time," SID DIGEST, pp. 841-844, 1997.				
		S. Inui, et al., "Thresholds antiferroelectricity in liquid crystals and its application to displays," J. Mater. Chem., 6(4), pp. 671-673, 1996.				

Examiner Signature	Date Considered
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Examiner Name	Fernando L. TOLEDO
Sheet	2	of	4	Attorney Docket Number	0756-7208

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
		5,696,386		Yamazaki	12/09/97
		5,712,191		Nakajima et al.	01/27/98
		5,923,966		Teramoto et al.	07/13/99
		5,529,937		Zhang et al.	06/25/96
		5,569,610		Zhang et al.	10/29/96
		5,869,363		Yamazaki et al.	02/19/99
		5,147,826		Liu et al.	09/15/92
		5,616,932		Sano et al.	04/01/97
		5,910,015		Sameshima et al.	06/08/99
		5,461,250		Burghartz et al.	10/24/95
		4,986,213		Yamazaki et al.	01/22/91
		5,403,772		Zhang et al.	04/04/95
		5,426,064		Zhang et al.	06/20/95
		5,639,698		Yamazaki et al.	06/17/97
		5,843,833		Ohtani et al.	12/01/98

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	
		JP	08-078329	Ohtani	03/22/96

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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		Henry Dorin, Peter E. Demmin, Dorothy L. Gabel, "Chemistry The Study of Matter," 1992, Prentice Hall, page 532.	
		Aya et al., "Improvement of SPC Poly-Si Film Using the ELA Method," September 11-12, 1997, pp. 167-170, AM-LCD.	
		Abe et al., "High-Performance PolyCrystalline Silicon TFTs Fabricated Using SPC and ELA Methods," July 9-10, 1998, pp. 85-88, AM-LCD.	

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		5,879,977		Zhang et al.	03/09/99
		5,994,172		Ohtani et al.	11/30/99
		6,027,960		Kusumoto et al.	02/22/00
		6,054,739		Yamazaki et al.	04/25/00
		6,096,581		Zhang et al.	08/01/00
		6,124,154		Miyasaka	09/26/00
		6,140,165		Zhang et al.	10/31/00
		6,285,042		Ohtani et al.	09/04/01
		6,023,074		Zhang	02/08/00
		5,492,843		Adachi et al.	02/20/96
		5,789,762		Koyama et al.	08/04/98
		5,837,619		Adachi et al.	11/17/98
		5,879,974		Yamazaki	03/09/99
		5,897,347		Yamazaki et al.	04/27/99
		5,953,597		Kusumoto et al.	09/14/99
		5,956,579		Yamazaki et al.	09/21/99
		5,985,740		Yamazaki et al.	11/16/99
		6,559,036		Ohtani et al.	05/06/03

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		Specifications and Drawings for Application Serial No. 09/894,125, "Crystalline Semiconductor Thin Film, Method of Fabricating the Same, Semiconductor Device and Method of Fabricating the Same," Filing Date: June 29, 2001, Inventors: Shunpei YAMAZAKI, et al.			
		Specifications and Drawings for Application Serial No. 09/908,727, "Semiconductor Device and Method of Manufacturing the Same," Filing Date: July 20, 2001, Inventors: Hisashi OHTANI, et al.			

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		6,071,764		Zhang et al.	06/06/00	
		6,071,766		Yamazaki et al.	06/06/00	
		6,077,758		Zhang et al.	06/20/00	
		6,180,439		Yamazaki et al.	01/30/01	
		6,197,624		Yamazaki	03/06/01	
		5,481,121		Zhang et al.	01/02/96	
		5,514,879		Yamazaki	05/07/96	
		5,578,520		Zhang et al.	11/26/96	
		5,604,360		Zhang et al.	02/18/97	
		5,605,846		Ohtani et al.	02/25/97	
		5,620,910		Teramoto	04/15/97	
		5,693,541		Yamazaki et al.	12/02/97	
		5,795,795		Kousai et al.	08/18/98	
		5,808,321		Miyanaga et al.	09/15/98	
		6,071,796		Voutsas	06/06/00	
		5,648,276		Hara et al.	07/15/97	

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		JP	9-186336		07/15/97	Abst.

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		U.S. Patent Application Serial No. 09/412,512, including Specification, Drawings and Pending Claims, "Liquid Crystal Display Device Active Matrix Type Liquid Crystal Display Device, and Method of Driving the Same.", Shunpei YAMAZAKI, October 5, 1999.					

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